

JAKKA CONTROL KIT 5

USER MANUAL



JAKKA CONTROL KIT 5

JAKKA CK5 is capable of controlling exhaust and supply fans separately and driving electrical heater on/off and proportionally. The other features are below;


- ✓ **Counting time for filter dirtiness on 1200 hours of functioning time of the unit**
- ✓ **Selection of preloaded programs via room thermostate**
- ✓ **Adjustable mode selections ;**
 - **Auto Heating ,**
 - **Auto Cooling,**
 - **Manual Heating,**
 - **Manual Cooling,**
 - **Fan Mode**


- ✓ **Restart of the unit with the last parameters in case of electrical shortages**


- ✓ **Weekly Programming**


ROOM THERMOSTATE




-  **On/Off** : Starts and stops the unit.

-  **Mode/OK** : Selection of functions (Auto Heat / Auto Fan / Manual) .
Works as OK button.

-  **Up** : Increases set temperature in manual mode.
Increases fan speed in auto mode.

-  **Down** : Decreases set temperature in manual mode.
Decreases fan speed in auto mode.

-  **FAN** : Goes to settings screen

FEATURES OF ROOM THERMOSTATE:

A.) HOW TO MAKE WEEKLY PROGRAMMING:

- Press **FAN** button for two (2) seconds while the unit is on.
- You will see “00” at the upper-right part of the screen, then press **Mode / OK** button.
- You can select starting and stopping time for each day of the week with **UP** and **DOWN** buttons on the weekly programming screen. Go on by pressing **Mode/OK** button.
- To go back to previous screen and/ or to exit , use **ON/OFF** button.

Note1 : Unit will not work if starting time is later than stopping time.

Note2 : Unit will not work if starting time is same with stopping time.

Note3 : There will be a clock symbol on the screen, if unit works in weekly programmed hours.

Note4 : There will be a clock deleting symbol on the screen, if unit works out of weekly programmed hours.

B.) SETTING DATE AND TIME:

- Press **Fan** button for two (2) seconds while the unit is on.
- You will see “00” at the upper-right part of the screen, then change it to “01” by using **UP** and **DOWN** buttons, then press **Mode/OK** button.
- Set hour/minute by pressing **UP** and **DOWN** buttons then go on by pressing **Mode/OK**
- Set day/month by pressing **UP** and **DOWN** buttons then go on by pressing **Mode/OK**
- Set year by pressing **UP** and **DOWN** buttons then go on by pressing **Mode/OK**
- Set name of the day by pressing **UP** and **DOWN** buttons then go on by pressing **Mode/OK**

C.) CHANGING UNIT MODE:

- The mode can be selected by pressing **Mode/OK** button when the unit is on.
- When the unit is at manual heating, manual cooling or fan mode, by pressing **Mode/OK** button fan speed and set temperature can be adjusted. You can go to next screen by pressing **Mode/OK** button
- When the unit is at auto mode, passing to the next mode is possible by pressing **Mode/OK** button

D.) CHANGING SET TEMPERATURE:

- When unit is on and in **auto mode**, using **UP** and **DOWN** buttons ,set temperature number will start blinking. Set temperature can be selected by pressing **UP** and **DOWN** buttons.
- When unit is on and in **manual mode**, using **UP** and **DOWN** buttons ,set temperature number will start blinking. Set temperature can be selected by pressing **UP** and **DOWN** buttons.

E.) HOW TO ACTIVATE KEYLOCK:

- Press **FAN** and **DOWN** buttons simultaneously when the unit is on.

There will be a lock symbol on screen after 2 seconds.

All of the buttons will be locked when keylock is on.

F.) HOW TO DEACTIVATE KEYLOCK:

- Press **FAN** and **DOWN** buttons simultaneously when the unit is on.
- Lock symbol on the screen will be deleted after 2 seconds. Then press any button.
- All buttons will be functional again.

G.) HOW TO RESET ALARM CODE:

- If “Err 0001” alarm (or any other alarm) code blinking on screen
- Press **FAN** and **UP** buttons simultaneously

H.) HOW TO RESET FILTER DIRTINESS COUNTER:

- When you got “0001” warning on the screen ,
- You can reset it by pressing **FAN** and **Mode/OK** buttons simultaneously.

Note: You can change filter dirtiness alarm period on Parameter 177 . You can follow the remaining time from Parameter 115 .

I.) ENTERING TO SERVICE MENU:

To Enter:

- Press **UP** and **DOWN** buttons simultaneously
- Enter service menu password by using **UP** and **DOWN** and press **Mode/OK**.

Note: The Service menu password is "**58**"

- Then go to Parameter you want to change by using **UP** and **DOWN** buttons then press **Mode/OK** button
- Change the parameter by using **UP** and **DOWN** buttons then press **Mode/OK** button.
- Get out of menu by pressing **ON/OFF** button



Caution : All the changes on the service menu should be done by authorized personnel. The damage and problems causing by unauthorized changes on the service menu will be on user's responsibility.

J.) SELECTING TEMPERATURE CONTROL POINT

There are 4 options that unit can check the temperature;

-Room thermostate

-Return Air

-Supply Air

-Outside Air

To select one of these;

- Press **UP** and **DOWN** buttons simultaneously
- Enter service menu password by using **UP** and **DOWN** and press **Mode/OK**.
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Note: Service menu password is **“58”**

- Then go to Parameter **“118”** by using **UP** and **DOWN** buttons then press **Mode/OK** button
- Change the parameter by using **UP** and **DOWN** buttons then press **Mode/OK** button.

Parameter 118 could be one of below numbers

0-Room thermostate

1-Return Air

2-Supply Air

3-Outside Air

- Get out of menu by pressing **ON/OFF** button

Note: Selected sensor should be connected to the card . If not, there will be **“- -“** symbol on the screen.

K. ERROR CODES		TROUBLE SHOOTING	
CODE		EXPLANATION	
E	0001	Exhaust Fan Error	Check the fan,connection cables and filter.If all are fine, reset the alarm by pressing FAN and UP buttons_ <u>simultaneously If there is a broken component replace it with a new one.</u>
E	0002	Supply Fan Error	Check the fan,connection cables and filter.If all are fine, reset the alarm by pressing FAN and UP buttons_ <u>simultaneously If there is a broken component replace it with a new one.</u>
E	0004	Electrical Heater Error	Check the electrical heater and connection cables ..If all are fine, reset the alarm by pressing FAN and UP buttons <u>simultaneously If there is a broken component replace it with a new one.</u>
E	0008	Exhaust Air Flow Error	Check the exhaust fan,connection cables ,filter and ducting..If all are fine, reset the alarm by pressing FAN and UP buttons <u>simultaneously If there is a broken component replace it with a new one.If there is an obstacle at the duct systemi, clean it a for a better air flow.</u>
E	0016	Supply Air Flow Error	Check the exhaust fan,connection cables ,filter and ducting..If all are fine, reset the alarm by pressing FAN and UP buttons <u>simultaneously If there is a broken component replace it with a new one.If there is an obstacle at the duct systemi, clean it a for a better air flow.</u>
E	0099	Connection Error between Controller and Card	Check connection cables between controller and the board
E	0256	Fire Alarm	Check if there is fire or not.. If the alarm is because of a heat transmitter close to room thermostate , or another factor that increases the temperature at the room artificially, make sure that the room thermostate reads the temperature at the normal conditions. Also check the electrical heater at the duct system. If everything is controlled then reset the alarm by pressing FAN and UP buttons simultaneously.